

CTCAACCACAGACTACACTTGTCTGAATGGCTCCTGGGGCCATGAGGCTGTCACTGCCAC  
 GAGTTGGTGCTGATGTGAACGACTTGACCGAGGACCCCGGTACTCCGACAGTGACCGGTG  
 M R L S L P L

TGCTGCTGCTGCTGCTGGGAGCCTGGGCCATCCCAGGGGGCCTCGGGGACAGGGCGCCAC  
 ACGACGACGACGACGACCCCTCGGACCCGGTAGGGTCCCCGGAGCCCTGTCCCGCGGTG  
 L L L L L G A W A I P G G L G D R A P L

TCACAGCCACAGCCCACTGGATGATGAGGAGATGTACTCAGCCACATGCCCGCTC  
 AGTGTCCGTGTCGGGGTGTGACCTACTACTCCTCTACATGAGTCGGGTGTACGGGCGAG  
 T A T A P Q L D D E E M Y S A H M P A H

ACCTGCGCTGTGATGCCTGCAGAGCTGTGGCTTACCAGATGTGGCAAAATCTGGCAAAAG  
 TGGACGCGACACTACGGACGTCTCGACACCGAATGGTCTACACCGTTTACACCGTTTCC  
 L R C D A C R A V A Y Q M W Q N L A K A

CAGAGACAAACTTCATACCTCAAACCTCTGGGGGGCGGGGAACTGAGCGAGTTGGTCT  
 GTCTCTGGTTTGAAGTATGGAGTTTGAGACCCCGCCGCCCTTGACTCGCTCAACAGCA  
 E T K L H T S N S G G R R E L S E L V Y

ACACGGATGTCTTGGACCGAACTGCTCCCGAACTGGCAGGACTACGGAGTTCGAGAAG  
 TGTGCCTACAGGACCTGGCCTTGACGAGGGCCTTGACCGTCTGATGCCCTAAGCTCTTC  
 T D V L D R N C S R N W Q D Y G V R E V

TGGACCAAGTGAAACGTCTCACAGGCCAGGACTTAGCGAGGGGCCAGAGCCAAGCATCA  
 ACCTGGTTCACTTTGCAGAGTGTCCGGGTCTGAAATCGCTCCCGGTCTCGGTTCGTAGT  
 D Q V K R L T G P G L S E G P E P S I S

GCGTGATGGTCACAGGGGGCCCCTGGCCTACCAGGCTCTCCAGGACATGTTTGCCTACTT  
 CGCACTACCAAGTGTCCCCGGGACCGGATGGTCCGAGAGGTCTGTACAAACGTGATGA  
 V M V T G G P W P T R L S R T C L H Y L

TGGGGGAGTTTGGAGAAGCAGATCTATGAAGCCCACCAACAAGGCCGAGGGGCTCTGG  
 ACCCCCTCAAACCTCTTCTGGTCTAGATACTTCGGGTGGTGTTCCTGGGTCCCCGAGACC  
 G E F G E D Q I Y E A H Q Q G R G A L E

AGGCATTGCTATGTGGGGGACCCAGGGGGCTGCTCAGAGAAGGTGTACGCCACAAGAG  
 TCGTAACGATACACCCCTGGGGTCCCCGGACGAGTCTCTTCACAGTCCGGGTCTCTC  
 A L L C G G P Q G A C S E K V S A T R E

FIG. 1A

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AAGAGCTCTAGTCTGGACTCTACCCCTCCTCGAAAGAAGCTGGGGCTTGCTCTGACGGT
+-----+-----+-----+-----+-----+-----+
TTCTCGAGATCAGGACCTGAGATGGGAGGAGACTTTCTTCGACCCCGAACGAGACTGCCA
  E  L  *

CTCCACTCCCGTCTGCAGGCAGCCAGGAGGGCAGGAAGCCCTTGCTCTGTGCTGCCATCC
+-----+-----+-----+-----+-----+-----+
GAGGTGAGGGCAGACGTCCGTCCGTCTCCCGTCCTTCGGGAACGAGACACGACGGTAGG

TGCCTCCCTCCTCCAGCCTCAGGGCACTCGGGCCTGGGTGGGAGTCAACGCCTTCCCTC
+-----+-----+-----+-----+-----+-----+
ACGGAGGGAGGAGGTCCGAGTCCCGTGAGCCCGGACCCACCTCAGTTGCGGAAGGGGAG

TGGACTCAAATAAAACCCAGTGACCTCAAAAAAAAAAAAAAAAAAAAAAAAAA
+-----+-----+-----+-----+-----+-----+
ACCTGAGTTTATTTTGGGTCACCTGGAGTTTTTTTTTTTTTTTTTTTTTTTTT

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FIG. 1B

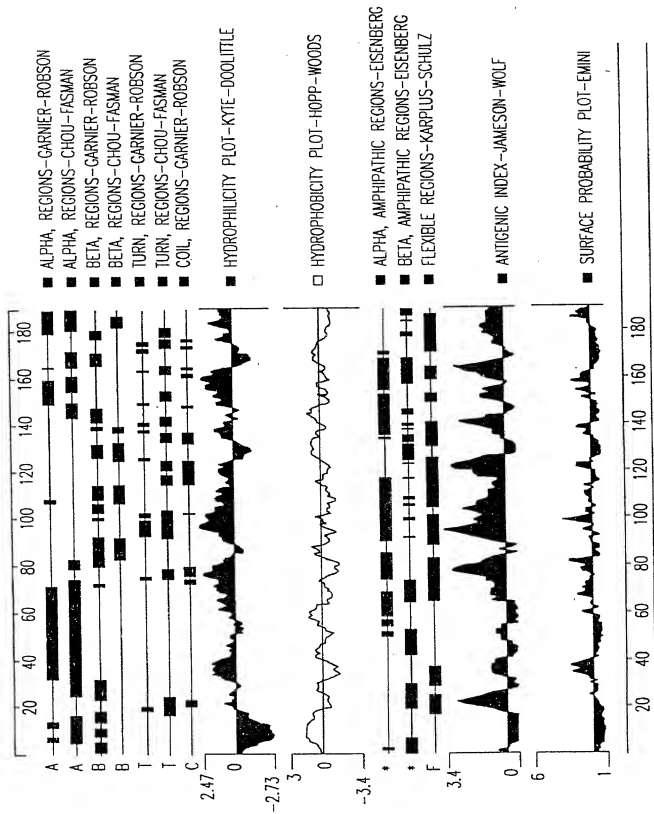


FIG.2